

The Journal of Systems and Software 59 (2001) 363-364

The Journal of Systems and Software

www.elsevier.com/locate/jss

Contents Volume 59

Guest Editor's Corner: Transitioning from Academia to Industrial Research E.J. Weyuker	1
Special Section on Software Product Assessment	
Integrating scenario-based and measurement-based software product assessment L.C. Briand and J. Wüst	3
An empirical evaluation of the ISO/IEC 15504 assessment model	
K. El Emam and HW. Jung	23
The relationship between ISO/IEC 15504 process capability levels, ISO 9001 certification and	
organization size: An empirical study HW. Jung and R. Hunter	43
Special Section on Object Oriented Metrics	
An empirical study of certain object-oriented software metrics	
G. Subramanian and W. Corbin	57
Using self-organizing maps to analyze object-oriented software measures	
W. Pedrycz, G. Succi, P. Musílek and X. Bai	65
Viewpoint representation validation: a case study on two metrics from the Chidamber and Kemerer suite Gursaran	83
Special Section on Top Scholars	
The determinants of visibility of software engineering researchers	
J.M. Verner, W.M. Evanco, K.W. McCain, G.W. Hislop and V.J. Cole	99
An assessment of Systems and Software Engineering scholars and institutions (1996-2000)	
R.L. Glass and T.Y. Chen	107
Guest Editor's Corner: Some informal thoughts about reviewing as a social process	
E. Wynn	115
An integrated approach to distributed version management and role-based access control in	
computer supported collaborative writing B.G. Lee, N.H. Narayanan and K.H. Chang	119
A framework for evaluation and prediction of software process improvement success	
D.N. Wilson, T. Hall and N. Baddoo	135
Reschedulable-Group-SCAN scheme for mixed real-time/non-real-time disk scheduling in a multimedia system	140
HP. Chang, RI. Chang, WK. Shih and RC. Chang	143

Special Section on Object-Orientation	
Object-oriented real-world modeling revisited S. Isoda	153
Illustrating the cognitive consequences of object-oriented systems development S.D. Sheetz and D.P. Tegarden	163
Object-oriented design patterns recovery G. Antoniol, G. Casazza, M. Di Penta and R. Fiutem	181
A comparative study of exception handling mechanisms for building dependable object-oriented software	
A.F. Garcia, C.M.F. Rubira, A. Romanovsky and J. Xu	197
Special Issue on Software Process Simulation Modeling	
Guest Editorial: Software Process Simulation Modeling D. Raffo and P. Wernick	223
Hybrid simulation modelling of the software process	
P. Donzelli and G. Iazeolla	227
Application of a hybrid process simulation model to a software development project R. Martin and D. Raffo	237
Stochastic simulation of risk factor potential effects for software development risk management D.X. Houston, G.T. Mackulak and J.S. Collofello	247
Behavioral characterization: finding and using the influential factors in software process simulation models D.X. Houston, S. Ferreira, J.S. Collofello, D.C. Montgomery, G.T. Mackulak and D.L. Shunk	259
System dynamics modelling of software evolution processes for policy investigation: Approach and example	
G. Kahen, M.M. Lehman, J.F. Ramil and P. Wernick	271
A CBT module with integrated simulation component for software project management education and training	
D. Pfahl, M. Klemm and G. Ruhe	283
A simplified model of software project dynamics	200
M. Ruiz, I. Ramos and M. Toro	299
System dynamics modelling and simulation of collaborative requirements engineering F. Stallinger and P. Grünbacher	311
Exploring bottlenecks in market-driven requirements management processes with discrete event simulation M. Höst, B. Regnell, J. Natt och Dag, J. Nedstam and C. Nyberg	323
Analysing a process landscape by simulation V. Gruhn and U. Wellen	333
Modeling and simulating software acquisition process architectures S.J. Choi and W. Scacchi	343
A tool for evaluation of the software development process P. Henderson, Y.M. Howard and R.J. Walters	355
Contents Volume 59	363

Contents Volume 59

364

